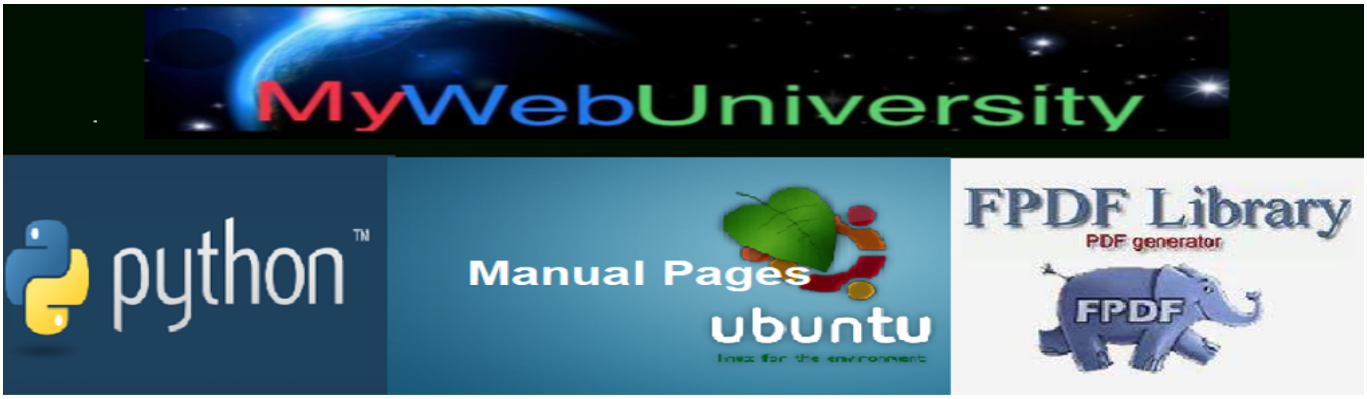

Rocky Enterprise Linux 9.2 Manual Pages on command 'rpcbind.3t'

$ man rpcbind.3t

RPCBIND(3) BSD Library Functions Manual RPCBIND(3)

NAME

rpcb_getmaps, rpcb_getaddr, rpcb_gettime, rpcb_rmtcall, rpcb_set, rpcb_unset ? library rou?

tines for RPC bind service

SYNOPSIS

```
#include <rpc/rpc.h>

rpcblist *
rpcb_getmaps(const struct netconfig *netconf, const char *host);

bool_t
rpcb_getaddr(const rpcprog_t prognum, const rpcvers_t versnum,
    const struct netconfig *netconf, struct netbuf *svcaddr, const char *host);

bool_t
rpcb_gettime(const char *host, time_t * timep);

enum clnt_stat
rpcb_rmtcall(const struct netconfig *netconf, const char *host,
    const rpcprog_t prognum, const rpcvers_t versnum,
    const rpcproc_t procnum, const xdrproc_t inproc, const caddr_t in,
```

const xdrproc_t outproc, const caddr_t out,
const struct timeval tout, const struct netbuf *svcaddr);

bool_t
rpcb_set(const rpcprog_t prognum, const rpcvers_t versnum, const struct netconfig *netconf,
const struct netbuf *svcaddr);

bool_t
rpcb_unset(const rpcprog_t prognum, const rpcvers_t versnum,
const struct netconfig *netconf);

DESCRIPTION

These routines allow client C programs to make procedure calls to the RPC binder service. (see rpcbind(8)) maintains a list of mappings between programs and their universal addresses.

Routines

rpcb_getmaps()

An interface to the rpcbind service, which returns a list of the current RPC program-to-address mappings on host. It uses the transport specified through netconf to contact the remote rpcbind service on host. This routine will return NULL, if the remote rpcbind could not be contacted.

rpcb_getaddr()

An interface to the rpcbind service, which finds the address of the service on host that is registered with program number prognum, version versnum, and speaks the transport protocol associated with netconf. The address found is returned in svcaddr. The svcaddr argument should be preallocated. This routine returns TRUE if it succeeds. A return value of FALSE means that the mapping does not exist or that the RPC system failed to contact the remote rpcbind service. In the latter case, the global variable rpc_createerr (see rpc_clnt_create(3)) contains the RPC status.

rpcb_gettime()

This routine returns the time on host in timep. If host is NULL, rpcb_gettime() re? turns the time on its own machine. This routine returns TRUE if it succeeds, FALSE if it fails. The rpcb_gettime() function can be used to synchronize the time between the client and the remote server.

rpcb_rmtcall()

An interface to the rpcbind service, which instructs rpcbind on host to make an RPC call on your behalf to a procedure on that host. The netconfig() structure should correspond to a connectionless transport. The svcaddr argument will be modified to the server's address if the procedure succeeds (see rpc_call() and clnt_call() in rpc_clnt_calls(3) for the definitions of other arguments).

This procedure should normally be used for a ?ping? and nothing else. This routine allows programs to do lookup and call, all in one step.

Note: Even if the server is not running rpcb_rmtcall() does not return any error mes? sages to the caller. In such a case, the caller times out.

Note: rpcb_rmtcall() is only available for connectionless transports.

rpcb_set()

An interface to the rpcbind service, which establishes a mapping between the triple [prognum, versnum, netconf->nc_netid] and svcaddr on the machine's rpcbind service. The value of nc_netid must correspond to a network identifier that is defined by the netconfig database. This routine returns TRUE if it succeeds, FALSE otherwise. (See also svc_reg() in rpc_svc_calls(3).) If there already exists such an entry with rpcbind, rpcb_set() will fail.

rpcb_unset()

An interface to the rpcbind service, which destroys the mapping between the triple [prognum, versnum, netconf->nc_netid] and the address on the machine's rpcbind ser? vice. If netconf is NULL, rpcb_unset() destroys all mapping between the triple [prognum, versnum, all-transports] and the addresses on the machine's rpcbind ser?

vice. This routine returns TRUE if it succeeds, FALSE otherwise. Only the owner of the service or the super-user can destroy the mapping. (See also svc_unreg() in rpc_svc_calls(3).)

AVAILABILITY

These functions are part of libtirpc.

SEE ALSO

rpc_clnt_calls(3), rpc_svc_calls(3), rpcbind(8), rpcinfo(8)